

AMENDMENTS TO THE CLAIMS

1-40. (Cancelled).

41. (Currently Amended) A method of synchronizing one or more complementary multi-media effects with an audio file in a mobile communications device, the method comprising:

selecting a sample from an audio file stored in memory in a mobile communications device;

analyzing said sample to calculate synchronizing information by:

sectioning said sample into a plurality of measures, each said measure comprising an equivalent number of notes;

determining the notes that occur within a desired beat in each said measure; and

calculating a weight value by summing a velocity parameter of a corresponding note-on event for each said note that occurs within said desired beat in each said measure;

and

generating a pattern in which to render one or more complementary multi-media effects in the mobile communications device synchronously with the playback of the audio file based on the calculated synchronizing information.

42-44. (Cancelled).

45. (Currently Amended) ~~The method of claim 41 wherein analyzing said sample to calculate synchronizing information comprises~~ A method of synchronizing one or more complementary multi-media effects with an audio file in a mobile communications device, the method comprising:

selecting a sample from an audio file stored in memory in a mobile communications device;
analyzing said sample to calculate synchronizing information by calculating a first value and
a second value based on a first candidate time signature and a second candidate time
signature, respectively; and
generating a pattern in which to render one or more complementary multi-media effects in
the mobile communications device synchronously with the playback of the audio file
based on the calculated synchronizing information.

46. (Previously Presented) The method of claim 45 wherein analyzing said sample to calculate synchronizing information further comprises selecting the highest value from said first and second values to select a time signature.

47. (Original) The method of claim 46 wherein synchronizing the one or more complementary multi-media effects with the audio file comprises associating said selected time signature with the audio file.

48. (Currently Amended) The method of claim 41 wherein analyzing said sample to calculate synchronizing information further comprises sampling the output of a MIDI synthesizer in the mobile communications device.

49. (Previously Presented) The method of claim 48 wherein analyzing said sample to calculate synchronizing information further comprises detecting a peak amplitude within said sample.

50. (Original) The method of claim 49 further comprising comparing said detected peak amplitude to a threshold value.

51. (Original) The method of claim 50 wherein synchronizing the one or more complementary multi-media effects with the audio file comprises generating a control signal based on the comparison of said detected peak amplitude and said threshold value.

52. (Original) The method of claim 50 wherein synchronizing the one or more multi-media effects with the audio file varying the intensity of the one or more complementary multi-media effects based on the comparison of said detected peak amplitude and said threshold value.

53. (Original) The method of claim 50 wherein synchronizing the one or more complementary multi-media effects comprises varying the duration of activation of the one or more complementary multi-media effects based on the comparison of said detected peak amplitude and said threshold value.

54. (Original) The method of claim 41 further comprising overwriting selected information in the audio file with the synchronizing information.

55. (Original) The method of claim 41 further comprising storing the synchronizing information in memory of the mobile communications device.

56-57. (Cancelled).